

Rec'd PCT/PTO 01 AUG 2005

PTO/SB/81 (11-04)

Approved for use through 11/30/2005, OMB 0651-0035  
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**POWER OF ATTORNEY  
and  
CORRESPONDENCE ADDRESS  
INDICATION FORM**

Application Number	PCT/GB03/04417 US 10/530,270
Filing Date	Int 10/10/2003 US 04/05/2005
First Named Inventor	Boyadjieff
Title	Apparatus & Method for Transmitting a Signal from Deep In a Wellbore through a String of Tubulars
Attorney Docket Number	DQ 001 PCT/US

I hereby revoke all previous powers of attorney given in the above-identified application.

I hereby appoint:

☐ Practitioners associated with the Customer Number:

OR

☒ Practitioner(s) named below:

Name	Registration Number
Guy McClung	29,008

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please recognize or change the correspondence address for the above-identified application to:

☐ The address associated with the above-mentioned Customer Number:

OR

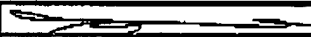
☐ The address associated with Customer Number:

OR

<input checked="" type="checkbox"/> Firm or Individual Name	Guy McClung			
Address	PMB 347 16690 Champion Forest Drive			
City	Spring	State	Texas	Zip 77379-7023
Country	U S A			
Telephone	281 893 5244	Fax	281 893 5258	

I am the:

☐ Applicant/Inventor.☒ Assignee of record of the entire interest. See 37 CFR 3.71.  
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/98)**SIGNATURE of Applicant or Assignee of Record**

Signature		Date	
Name	James F. Maroney, III	Telephone	281 953 2220
Title and Company	Varco I/P, Inc. Vice President		

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

☐ \*Total of \_\_\_\_\_ forms are submitted.

This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/98 (09-04)

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**STATEMENT UNDER 37 CFR 3.73(b)**Applicant/Patent Owner: Varco I/P, Inc.

Application No./Patent No.: \_\_\_\_\_ Filed/Issue Date: \_\_\_\_\_

Entitled: Apparatus & Method for Transmitting a Signal from Deep in a Wellbore through a String of Tubulars  
[PCT/GB03/04417; 10 Oct., 2003]Varco I/P, Inc., a Corporation (Delaware)  
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.  
The extent (by percentage) of its ownership interest is \_\_\_\_\_ %

In the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

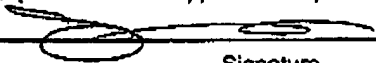
- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.☐ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

  
SignatureJames F. Maroney, III

Printed or Typed Name

\_\_\_\_\_  
Date281 853 2220

Telephone Number

Vice President

Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1460, Alexandria, VA 22313-1460. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1460, Alexandria, VA 22313-1460.

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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Boyadjieff et al      Art Unit:  
Filed: 04/04/2005      Examiner:  
Serial No.: 10/530,270      Acty File: DQ 001 PCT/US  
For: Apparatus & Method For  
Transmitting A Signal From  
Deep In A Wellbore Through  
A String Of Tubulars

## POWER OF ATTORNEY BY ASSIGNEE

Under the provisions of 37 CFR 1.32, the undersigned assignee of the entire interest in the above-identified patent application by virtue of an assignment submitted concurrently herewith for recordation elects to conduct the prosecution of the application to the exclusion of the inventors. The assignee hereby revokes any previous powers of attorney and appoints the following to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

Name  
Guy McClung

Registration No.  
29,008

This appointment includes the right to appoint associates under an associate power of attorney executed by either of the above stated persons and applies to the same extent to any proceedings established by the Patent Cooperation Treaty.

Please direct all communications to: Guy McClung, PMB 347, 16690 Champion Forest Dr., Spring, Texas, 77379-7023; Phone 281 893 5244; Fax 281 893 5258.

Varco I/P, Inc.

By: 

Printed name: Vincent J. Gillespie

Title: Assistant Secretary

Date: August 1, 2005

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PTO/SB/81 (11-04)

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Application Number	PCT/GB03/04417 US 10/530,270
Filing Date	Int'l 10/10/2003 US 04/05/2005
First Named Inventor	Boyd, Jeff
Title	Apparatus & Method for Transmitting a Signal from Deep In a Wellbore through a String of Tubulars
Attorney Docket Number	DQ 001 PCT/US

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OR☐ The address associated with Customer Number:  
OR☒ Firm or Individual Name Guy McClungAddress PMB 347  
16690 Champion Forest Drive


City Spring State Texas Zip 77379-7023

Country U S A

Telephone 281 893 6244 Fax 281 893 5258

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Title and Company	Varco I/P, Inc. Vice President		

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OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

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 \_\_\_\_\_  
 Signature
James F. Maroney, III

Printed or Typed Name

\_\_\_\_\_  
Date281 953 2220

Telephone Number

Vice President

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Serial No.: 10/530,270      Acty File: DQ 001 PCT/US  
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Name  
Guy McClung

Registration No.  
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Varco I/P, Inc.

By: 

Printed name: Vincent J. Gillespie

Title: Assistant Secretary

Date: August 1, 2005